

NORFOLK DISTRICT CORPS AND **VIRGINIA DEPARTMENT OF ENVIRONMENTAL QUALITY** **WETLAND MITIGATION CHECKLIST:**

This is information that should be included or addressed in mitigation site plans.

1. Site selection considerations _____

2. Realistic/specific goals and objectives _____

3. Location map (preferably depicted on a 7.5' USGS topographic map) _____

Identify the watershed and 8 digit Hydrologic Unit Code (HUC) Catalog Unit _____

4. Water budget _____

a 'typical' year _____,

a 'wet' year _____

a 'dry' year _____

References provided for all data sources and assumptions based upon site-specific characteristics such as soil permeability _____.

5. Conceptual grading plan - _____

- Plan view _____

- Typical sections _____.

- Depicts existing & proposed topography ____.

- Plans specify expected seasonal depth, duration, and timing of inundation/saturation for each habitat type or hydrologic zone in the mitigation site _____.

- Summary of hydrologic calculations _____

- Plan indicates whether the hydrologic regime of the planned wetland is driven by groundwater ____ or surface water _____ and provide supporting data _____.

- Design drawings (plan and profile views) provided for water control structures ____ and erosion control measures _____.

- Drawings identify the location and extent of any inholdings, easements, or right-of-ways on or adjacent to the mitigation site, including ingress-egress, drainage, utility, and transmission lines _____.

6. Plant species list and planting scheme

a. Natural regeneration _____

b. Direct seeding _____

Plan specifics:

- the quantities of pure live seed (including numbers of acorns per acre) _____;

- the seeding window (dates for seeding) _____;

- use of filler (such as sand) to dilute small or light seeds for uniform coverage;

- seeding technique including equipment and implements _____;

Any seeds should conform to the Virginia Seed Law (Sections 3.1-262 Code of Virginia) and Virginia Seed Regulations (2 VAC 5-290-10 et seq).

c. Bare root seedlings _____ - _____ / acre:

d. Cuttings _____

e. Container stock _____

f. Understory plantings: _____

7. Soil preparation and amendments – _____

Overexcavation _____

Donor top soils _____

Organic amendments _____

Other amendments _____

Soil Testing _____

Soil compaction reduction _____

Coarse woody debris _____

8. Surrounding land use/plans, including probable future land use - _____

Nearby roads, right-of-ways, and utilities _____

Drainage facilities _____

Airports nearby _____

Identify the location and approximate extent of any existing, adjacent wetland areas _____.

9. Abatement/control plan for undesirable plant and animal species – _____

Plans allow for assessing threat, effect, and opportunity for control of invasives _____.

Plans specify the percentage of invasive species that trigger remedial action _____.

10. Construction timetable provided in the plans and specification _____.
 List of construction methods _____.

List of likely equipment _____.

11. Identify potential reference wetland areas adjacent to or near the planned wetland restoration/creation site _____

12. Written description of the legal means to protect the compensatory mitigation site in perpetuity

Deed restriction/restrictive covenant _____

Conservation easement _____

Open space easement _____

Natural area dedication, etc.). _____.

13. Contingency plan for dealing with unanticipated site conditions or changes. _____

14. Monitoring and long-term management responsibilities identified in the plan _____

Party or parties responsible for accomplishing, maintaining, and monitoring the mitigation site are identified _____.

The type, frequency, and duration of monitoring is identified _____.